

## Claims

1. A protecting system for medium-voltage potential transformers, comprising an attenuating resistor connected into the open delta system of three auxiliary secondary windings of three single-phase transformers, **characterised in that** an element with a threshold voltage and current characteristic (1) and a thermal fuse (2) are connected in series between an attenuating resistor (R1) and the output of the auxiliary secondary winding of one of the single-phase transformers.
2. A system according to claim 1, **characterised in that** the thermal fuse (2) has the form of a bimetallic circuit breaker (TF1), and the element with a threshold voltage and current characteristic has the form of two Zener diodes (D1, D2), push-pull connected with one another.
3. A system according to claim 1, **characterised in that** the thermal fuse (2) has the form of a PTC resistor, and the element with a threshold voltage and current characteristic has the form of two Zener diodes push-pull connected with one another.
4. A system according to claim 1, **characterised in that** the thermal fuse (2) is a PTC resistor, and the element with a threshold voltage and current characteristic is a varistor.
5. A system according to claim 1, **characterised in that** the thermal fuse (2) is a bimetallic circuit breaker (TF1), and the element with a threshold voltage and current characteristic is a varistor.